

Related Pending Application

Related Case Serial No: 09/594,724

Related Case Filing Date: 06-16-00

WHAT IS CLAIMED IS

1. A control apparatus for an outboard motor which comprises an engine holder, an engine disposed above the engine holder in a state of an outboard motor being mounted to a hull and having crankcase in which a crankshaft is disposed perpendicularly, a fuel supply device disposed on a side surface of the engine, and an operation control apparatus including a throttle mechanism operating a throttle lever of the fuel supply device by rotating a throttle cam supported in a vicinity of the fuel supply device,

wherein said throttle cam is disposed at a rear portion of the fuel supply device, a turning member is disposed below the throttle cam, the turning member and the throttle cam are connected through an interlocking member, and the throttle apparatus disposed at a front portion of the outboard motor and the turning member are connected through an input means which is disposed below the fuel supply device.

2. A control apparatus of an outboard motor according to claim 1, wherein said control apparatus comprises the throttle mechanism, a shift mechanism disposed at the front portion of the engine and a limiter mechanism disposed between the throttle mechanism and the

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shift mechanism so as to limit mutual operation thereof, said limiter mechanism having an input means which is connected to the turning member through an interlocking member disposed below the fuel supply device.

3. A control apparatus of an outboard motor according to claim 2, wherein an intake noise silencer is located at the front portion of the fuel supply device so as to provide an avoidance space in which at least a portion of at least one of said shift mechanism and said limiter mechanism is disposed in said avoidance space.

4. A control apparatus of an outboard motor according to claim 1, wherein said input means is an operation cable means and said interlocking member is a throttle link.

5. A control apparatus for an outboard motor including a vertical type engine having a crankcase in which a crankshaft is perpendicularly disposed, a fuel supply device disposed on a side surface of the engine and having a throttle lever, and a control apparatus controlling an operation of an outboard motor,

said control apparatus comprising:

a throttle mechanism including a throttle cam and a turning member disposed below the throttle cam and

operating the throttle lever of the fuel supply device by rotating the throttle cam;

a shift mechanism disposed at a front portion of the engine; and

a limiter mechanism disposed between said throttle mechanism and said shift mechanism so as to limit mutual operation thereof, said limiter mechanism having an input means which is connected to the turning member through an interlocking member disposed below the fuel supply device,

wherein said throttle cam is disposed at a rear portion of the fuel supply device, said turning member and said throttle cam are connected by an interlocking member, and said turning member is connected to a throttle apparatus disposed at a front portion of the outboard motor through an input means which is disposed below said fuel supply device.

FIG.1

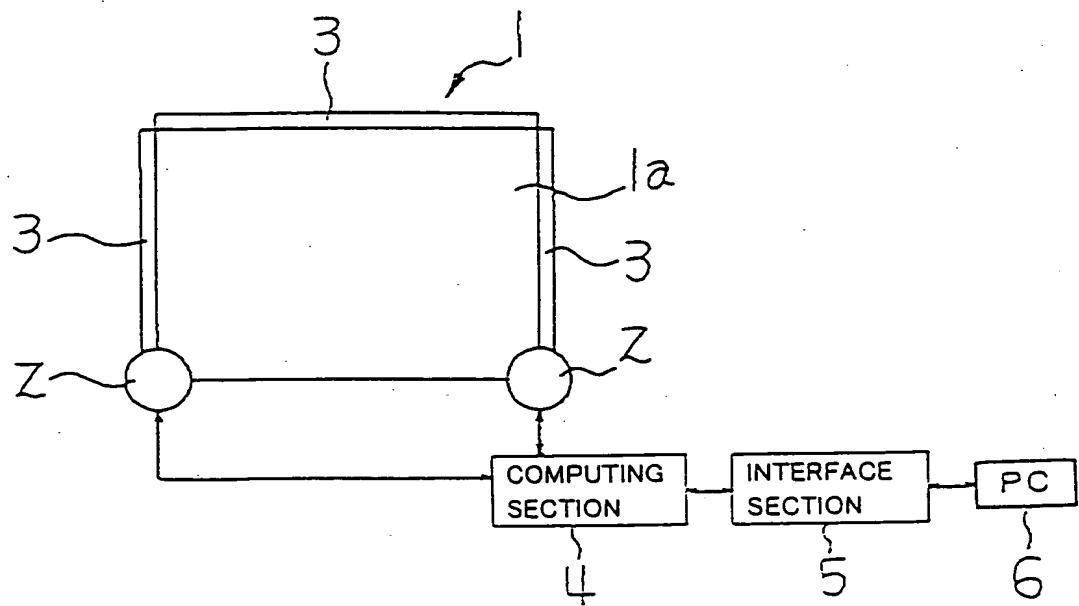


FIG.2

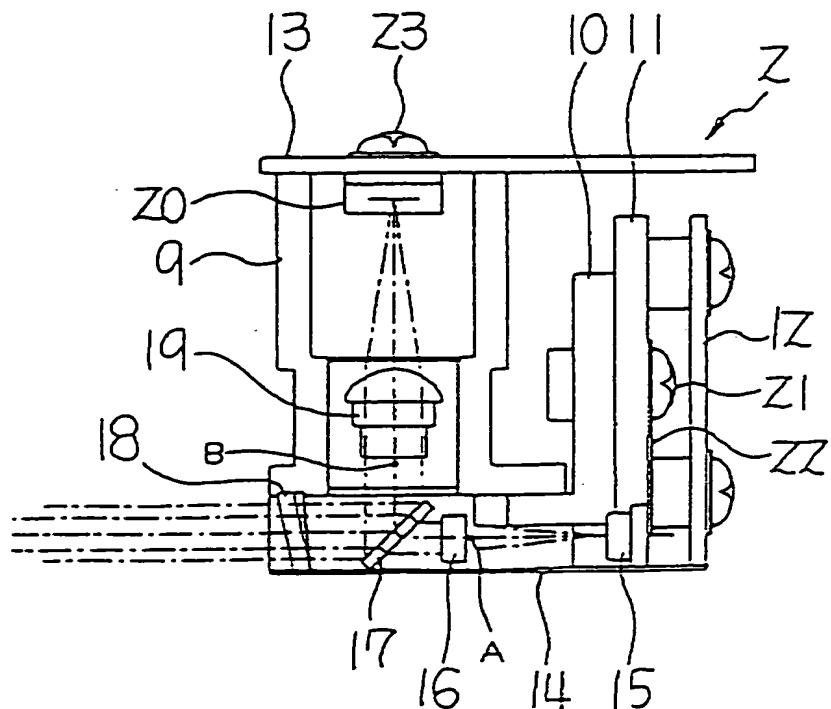


FIG.3

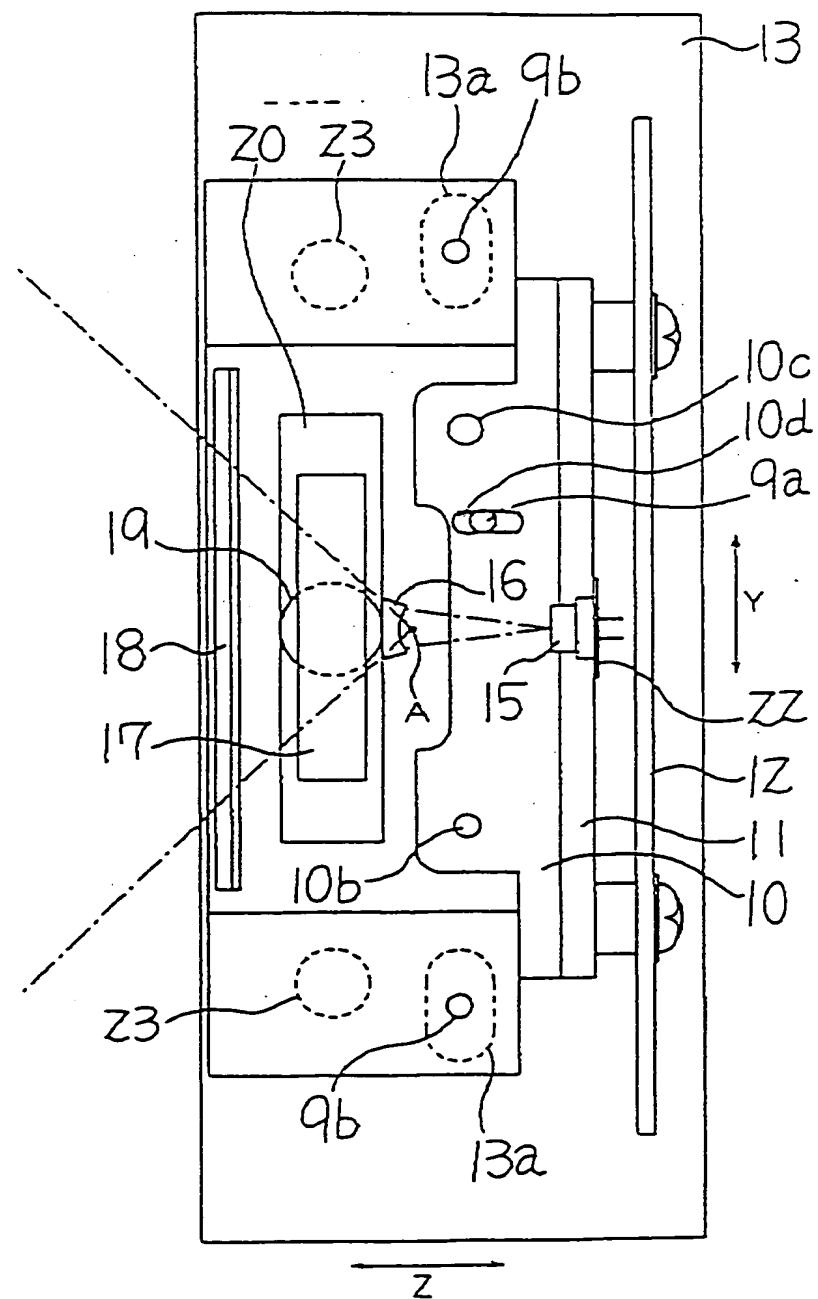


FIG.4

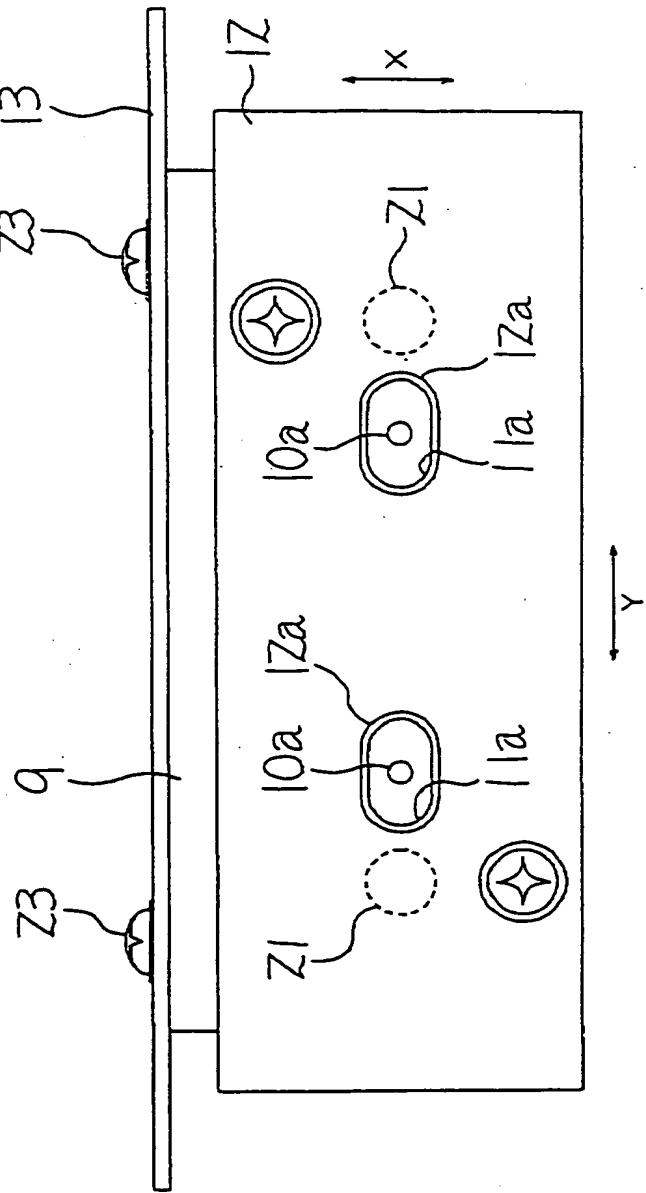


FIG.5

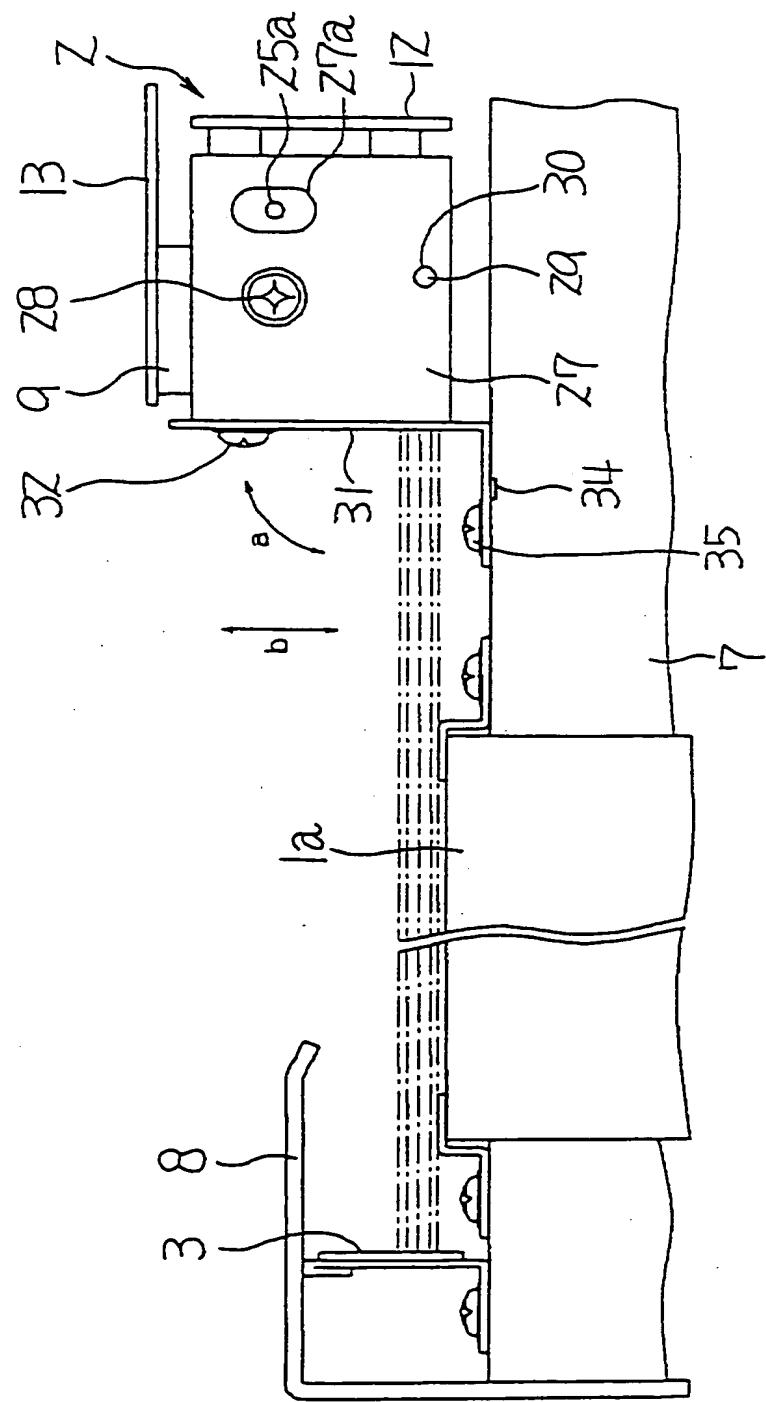


FIG.6

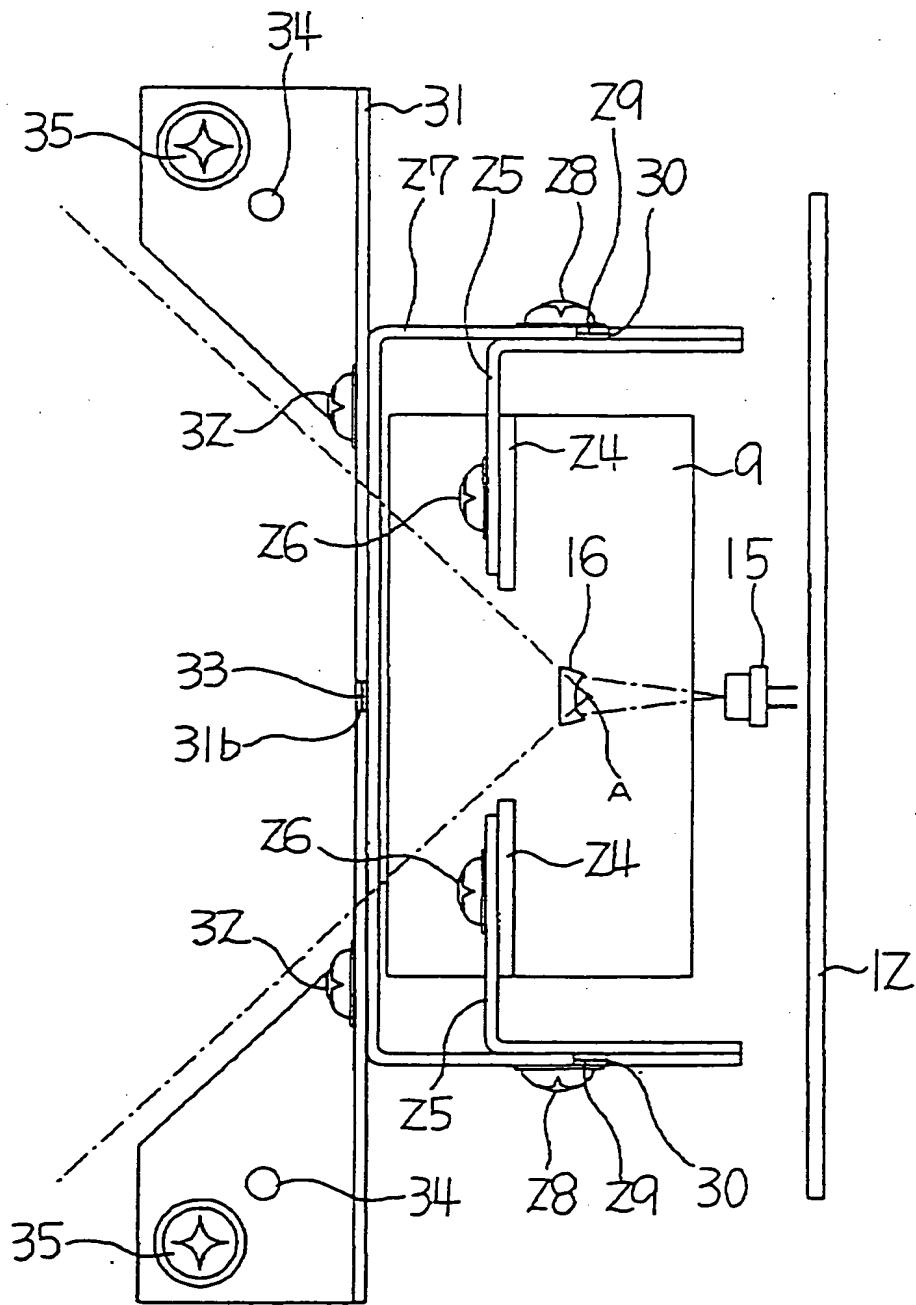


FIG.7

